

ABSTRACT

The invention relates to a method of regulating the power available at the manipulator of an electronic scalpel so as to make said manipulator adapted to be used to obtain blood clotting, said electronic scalpel being of the kind comprising: at least a mains voltage rectifying circuit supplying rectified and direct voltage to at least a radio frequency circuit adapted to emit as output a current carrier signal at a main frequency set by an oscillator, said current signal feeding said manipulator through a radio frequency transformer, wherein said method consists in applying to the manipulator a wave form resulting from the sum of the carrier wave and a modulating wave of such frequency that the energy transmitted to the tissue to be coagulated is such to raise the temperature of the tissue to be coagulated until denaturation of the fibrinogen contained therein is caused and transforming it into fibrin. The invention relates also to the electronic scalpel carrying out such a method